

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph 0022 with the following paragraph:

Reference is made to the appendix submitted herein. The appendix contains the following:

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_01.tx  
t (24,689 KB), which was created February 20, 2007; and

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_02.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_03.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_04.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_05.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_06.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_07.tx  
t (24,683 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_08.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_09.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_10.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_11.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_12.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_13.tx  
t (24,681 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_14.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_15.tx  
t (24,681 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_16.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_17.tx  
t (24,681 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_18.tx  
t (24,681 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_19.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_20.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_21.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_22.tx  
t (24,680 KB);

Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_23.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_24.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_25.tx  
t\_\_\_\_\_(24,681\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_26.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_27.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_28.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_29.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_33.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_34.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_35.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_36.tx  
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Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_37.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_38.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_39.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_40.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_41.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_42.tx  
t\_\_\_\_\_(24,698\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_43.tx  
t\_\_\_\_\_(24,684\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_44.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_45.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_46.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_47.tx  
t\_\_\_\_\_(24,680\_\_\_\_\_KB);  
Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_48.tx

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~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_49.tx~~  
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~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_57.tx~~  
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~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_58.tx~~  
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~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_59.tx~~  
~~t (24,680 KB);~~  
~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_60.tx~~  
~~t (24,680 KB);~~  
~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_61.tx~~  
~~t (24,680 KB);~~ and  
~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_62.tx~~  
~~t (24,683 KB), which were created January 22, 2007; and~~  
~~Patent25\_US\_10\_709577\_Sequence\_Listing\_Feb\_2007\_Amended\_63.tx~~  
~~t (9,179 KB)~~  
~~“Patent25\_US\_10\_709577\_Sequence\_Listing\_Jan\_2007\_Amended\_tmp~~  
~~\_1001.txt” (550,001 KB),~~  
~~“Patent25\_US\_10\_709577\_Sequence\_Listing\_Jan\_2007\_Amended\_tmp~~  
~~\_1002.txt” (550,000 KB), and~~  
~~“Patent25\_US\_10\_709577\_Sequence\_Listing\_Jan\_2007\_Amended\_tmp~~  
~~\_1003.txt” (439,301 KB), which was/were created February 26, 2007/July~~  
~~27, 2008, which altogether are a sequence listing in accordance with 37~~  
~~C.F.R. §§ 1.821-1.825, the contents of which are incorporated by~~  
~~reference herein.~~